

Human P-Selectin Glycoprotein Ligand 1 (SELPLG) ELISA Kit | SELPLG elisa kit

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CATALOG #
AAA330926

REACTIVITY
Human

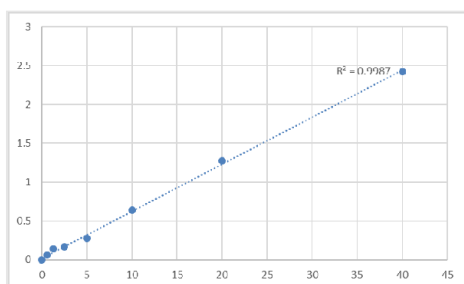
PRODUCT SYNONYMS

P-Selectin Glycoprotein Ligand 1 (SELPLG); Human P-Selectin Glycoprotein Ligand 1 (SELPLG) ELISA Kit; SELPLG; CD162; CLA; PSGL-1; PSGL1; cutaneous lymphocyte-associated associated antigen; SELPLG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human P-selectin glycoprotein ligand 1 (SELPLG) ELISA Kit has high sensitivity and excellent specificity for detection of Human SELPLG. No significant cross-reactivity or interference between Human SELPLG and analogues was observed.
Sequence Length	428
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human P-selectin glycoprotein ligand 1 (SELPLG) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SELPLG elisa kit	Description: This Human P-selectin glycoprotein ligand 1 (SELPLG) ELISA Kit employs a two-site sandwich ELISA to quantitate SELPLG in samples. An antibody specific for SELPLG has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SELPLG present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SELPLG is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of SELPLG bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: SELPLG is the high affinity counter-receptor for P-selectin on myeloid cells and stimulated T lymphocytes. As such, it plays a critical role in the tethering of these cells to activated platelets or endothelia expressing P-selectin. The organization of the SELPG gene closely resembles that of CD43 and the human platelet glycoprotein Gplb-alpha both of which have an intron in the 5-prime-noncoding region, a long second exon containing the complete coding region, and TATA-less promoters. P-selectin glycoprotein ligand-1 is a glycoprotein found on white blood cells and endothelial cells that binds to P-selectin (P stands for platelet). It is one of a family of selectins that includes E-selectin (endothelial) and L-selectin (leukocyte). PSGL-1 can bind to all three members of the family but binds best (with the highest affinity) to P-selectin.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	331284238
NCBI GeneID	6404
NCBI Accession #	NP_001193538.1
NCBI GenBank Nucleotide #	NP_001193538.1
UniProt Accession #	Q14242
NCBI Official Full Name	P-selectin glycoprotein ligand 1 isoform 1
NCBI Official Synonym Full Names	selectin P ligand
NCBI Official Symbol	SELPLG
NCBI Official Synonym Symbols	CLA; CD162; PSGL1; PSGL-1
NCBI Protein Information	P-selectin glycoprotein ligand 1
UniProt Protein Name	P-selectin glycoprotein ligand 1
UniProt Gene Name	SELPLG
UniProt Synonym Gene Names	PSGL-1
UniProt Entry Name	SELPL_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.